

## 1. PERFORMANCE

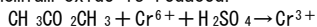
- 1) Measuring range : 0.1-3.0%  
Number of pump strokes 1(100mL)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : -
- 4) Shelf life : 3 years
- 5) Operating temperature : 0~40°C
- 6) Reading : Graduations printed on the tube are calibrated by Ethyl acetate at 1 pump stroke and Methyl acetate is determined by using a conversion chart.
- 7) Colour change : Orange→Dark green

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 10% RSD-high : 5%

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



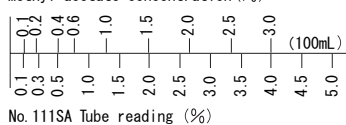
## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	%	Coexistence
Acetylene		3%	Whole reagent is changed to Brown.
Propane		0.2%	"
Other organic gases or vapours except Halogenated hydrocarbons	Similar stain is produced.		Higher readings are given.

Methyl acetate concentration (%)



No. 111SA Tube reading (%)

TEMPERATURE CORRECTION TABLE

Tube Reading (%)	Corrected Concentration (%)				
	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
5.0	-	-	5.0	4.0	3.0
4.5	-	-	4.5	3.6	2.7
4.0	-	5.8	4.0	3.2	2.4
3.5	-	5.0	3.5	2.8	2.1
3.0	-	4.2	3.0	2.3	1.7
2.5	-	3.5	2.5	1.9	1.4
2.0	-	2.6	2.0	1.5	1.1
1.5	2.6	1.9	1.5	1.1	0.7
1.0	1.5	1.2	1.0	0.7	0.4
0.5	0.6	0.6	0.5	0.3	0.2
0.3	0.4	0.3	0.3	0.2	0.1
0.1	0.1	0.1	0.1	0.1	0.1